

Breadcrumb

Breadcrumbs The `<aava-breadcrumbs>` provides a comprehensive navigation solution for displaying hierarchical navigation paths. It supports icons, collapsible behavior, multiple sizes, custom separators, and responsive design to enhance user navigation experience.

How to use

- Import the component and provide an array of breadcrumb items with their navigation properties.

```
import { AavaBreadcrumbsComponent } from "@aava/play-core";
```

Basic Usage

- Simple breadcrumb navigation with text labels.

```
Angular Preview Code <aava-breadcrumbs [breadcrumbs] = " simpleBreadcrumbs " > </aava-breadcrumbs>
```

simpleBreadcrumbs : BreadcrumbItem[] = [{ label : 'Home' , url : '/home' , active : false } , { label : 'Category' , url : '/category' , active : false } , { label : 'Product' , url : '/product' , active : true } ,] ; With Icons

- Breadcrumbs with icons for enhanced visual representation.

```
Angular Preview Code <aava-breadcrumbs [breadcrumbs] = " mixedBreadcrumbs " > </aava-breadcrumbs>
```

mixedBreadcrumbs : BreadcrumbItem[] = [{ icon : 'home' , label : 'Home' , url : '/home' , active : false } , { icon : 'folder' , label : 'Category' , url : '/category' , active : false } , { icon : 'file' , label : 'Product' , url : '/product' , active : true } ,] ; Size Variants

- Four different size options (xs, sm, md, lg) for various design contexts.

```
Angular Preview Code <aava-breadcrumbs [breadcrumbs] = " sampleBreadcrumbs " size = " xs " > </aava-breadcrumbs>
```

<aava-breadcrumbs [breadcrumbs] = " sampleBreadcrumbs " size = " sm " > </aava-breadcrumbs>

```
<aava-breadcrumbs [breadcrumbs] = " sampleBreadcrumbs " size = " md " > </aava-breadcrumbs>
```

```
<aava-breadcrumbs [breadcrumbs] = " sampleBreadcrumbs " size = " lg " > </aava-breadcrumbs>
```

sampleBreadcrumbs : BreadcrumbItem[] = [{ icon : 'home' , label : 'Home' , url : '/home' , active : false } , { icon : 'folder' , label : 'Products' , url : '/products' , active : false } , { icon : 'tag' , label : 'Category' , url : '/products/category' , active : false } , { icon : 'package' , label : 'Item Details' , url : '/products/category/item' , active : true } ,] ; Collapsible Behavior

- Smart collapsing for long navigation paths with ellipsis expansion.

```
Angular Preview Code <aava-breadcrumbs [breadcrumbs] = " longBreadcrumbs " [collapsible] = " true " [maxVisibleItems] = " 5 " > </aava-breadcrumbs>
```

longBreadcrumbs : BreadcrumbItem[] = [{ icon : 'home' , label : 'Home' , url : '/home' , active : false } , { icon : 'building' , label : 'Organization' , url : '/organization' , active : false } , { icon : 'folder' , label : 'Projects' , url : '/projects' , active : false } , { icon : 'folder' , label : 'Web Development' , url : '/web-dev' , active : false } , { icon : 'folder' , label : 'Frontend' , url : '/frontend' , active : false } , { icon : 'folder' , label : 'Components' , url : '/components' , active : false } , { icon : 'package' , label : 'Breadcrumbs' , url : '/breadcrumbs' , active : true } ,] ; Custom Separator

- Customizable separator icons and sizes.

Angular Preview Code

Dropdown Breadcrumbs

- Interactive breadcrumbs with dropdown menus for enhanced navigation options.

Angular Preview Code

Features

- Hierarchical Navigation
- Display navigation paths with clear hierarchy
- Support for unlimited breadcrumb levels
- Automatic active state management
- Icon Support
- Optional icons for each breadcrumb item
- Consistent icon sizing and coloring
- Icon-text alignment and spacing
- Collapsible Behavior
- Smart collapsing for long navigation paths
- Ellipsis expansion on click
- Configurable maximum visible items
- Maintains navigation context
- Size Variants
- Four size options: extra small (xs), small (sm), medium (md), and large (lg)
- Consistent typography and spacing across all sizes
- Responsive sizing behavior with appropriate icon scaling
- Custom Separators
- Configurable separator icons
- Adjustable separator sizes
- Consistent styling with breadcrumb items
- Dropdown Navigation
- Interactive dropdown menus for breadcrumb items
- Support for nested navigation options
- Configurable dropdown styling and positioning
- Icon support within dropdown items
- Click-outside to close functionality
- Accessibility
- ARIA attributes for screen readers
- Keyboard navigation support
- Focus management
- Semantic HTML structure
- Responsive Design
- Mobile-friendly navigation
- Adaptive collapsing behavior
- Touch-optimized interactions
- API Reference
- Inputs
- Property Type Default Description

breadcrumbs BreadcrumbItem[] Array of breadcrumb items to display

size 'sm' | 'md' | 'lg' | 'xs' | 'md' Size variant for the breadcrumbs separatorIcon string 'chevron-right' Icon name for breadcrumb separators

separatorSize number 14 Size of separator icons in pixels

dropdownIconSize number 14 Size of dropdown icons in pixels

flyoutStyle Record<string, string> undefined Custom styles for dropdown flyout

customStyles

Record<string, string> {} Custom styles for breadcrumb container collapsible boolean true Enable collapsible behavior for long paths maxVisibleItems number 5 Maximum items to show before collapsing Interfaces ■ interface DropdownItem { label : string ; // Dropdown item label url : string ; // Dropdown item URL icon ? : string ; // Optional icon for dropdown item } interface BreadcrumbItem { label ? : string ; // Optional text label icon ? : string ; // Optional icon name url : string ; // Required URL for navigation active : boolean ; // Required active state dropdownItems ? : DropdownItem [] ; // Optional dropdown items dropdownWidth ? : number ; // Optional dropdown width } Methods ■ Method Parameters Description onBreadcrumbClick() event: Event, index: number Handle breadcrumb item click and navigation onEllipsisClick() None Expand collapsed breadcrumbs on ellipsis click onBreadcrumbKeydown() event: KeyboardEvent, index: number Handle keyboard navigation getIconColor() isLast: boolean Get appropriate icon color based on state getOriginalIndex() displayedIndex: number Map displayed index to original breadcrumb index Computed Properties ■ Property Type Description displayedBreadcrumbs BreadcrumbItem[] Current breadcrumbs to display (considering collapse) shouldCollapse boolean Whether breadcrumbs should be collapsed shouldShowEllipsis boolean Whether to show ellipsis for collapsed items CSS Custom Properties ■ Container Properties ■ Property Description --breadcrumbs-background Background color of breadcrumb container --breadcrumbs-font Font family and properties for breadcrumb container Item Properties ■ Property Description --breadcrumbs-item-text Text color for breadcrumb items --breadcrumbs-item-border-radius Border radius for breadcrumb items --breadcrumbs-item-transition Transition properties for breadcrumb items --breadcrumbs-item-hover-text Text color on hover --breadcrumbs-item-active-background Background color for active items --breadcrumbs-item-disabled-text Text color for disabled items --breadcrumbs-item-disabled-cursor Cursor for disabled items Current Item Properties ■ Property Description --breadcrumbs-item-current-text Text color for current/active item --breadcrumbs-item-current-font-weight Font weight for current item Size Variants ■ Property Description --breadcrumbs-size-xs-font Font properties for extra small size --breadcrumbs-size-sm-font Font properties for small size --breadcrumbs-size-md-font Font properties for medium size --breadcrumbs-size-lg-font Font properties for large size CSS Classes ■ Container Classes ■ .breadcrumb - Main breadcrumb container .breadcrumb.xs - Extra small size variant .breadcrumb.sm - Small size variant .breadcrumb.md - Medium size variant (default) .breadcrumb.lg - Large size variant Item Classes ■ .breadcrumb-item - Individual breadcrumb item container .breadcrumb-separator - Separator icon styling .breadcrumb-ellipsis - Ellipsis container for collapsed items .ellipsis - Ellipsis text styling .dropdown-container - Container for dropdown breadcrumb items .dropdown-button - Button element for dropdown triggers .dropdown-menu - Dropdown menu container .dropdown-item - Individual dropdown menu items State Classes ■ .active - Active breadcrumb item .inactive - Inactive breadcrumb item .disabled - Disabled breadcrumb item Best Practices ■ Navigation Structure ■ Keep breadcrumb paths logical and intuitive Use descriptive labels that match page titles Ensure URLs are valid and accessible Icon Usage ■ Use consistent icon naming conventions Choose icons that clearly represent navigation levels Maintain icon-text alignment and spacing Dropdown Navigation ■ Use dropdowns for breadcrumb items that have multiple sub-navigation options Provide meaningful labels and icons for dropdown items Configure appropriate dropdown width using dropdownWidth property Use flyoutStyle to customize dropdown appearance and positioning Collapsible Behavior ■ Set appropriate maxVisibleItems based on design context Test collapsing behavior with various path lengths Ensure ellipsis expansion provides meaningful navigation Accessibility ■ Provide meaningful labels for screen readers Test keyboard navigation thoroughly Ensure sufficient color contrast for all states Responsive Design ■ Test breadcrumbs on various screen sizes Consider mobile navigation patterns Optimize touch targets for mobile devices Performance ■ Avoid excessive breadcrumb levels Use efficient navigation logic Optimize icon rendering and caching Use Cases ■ E-commerce Sites ■ Product category navigation Search result breadcrumbs Shopping cart navigation Content Management Systems ■ Document hierarchy navigation Folder structure display Content editing paths Web Applications ■ User dashboard navigation Settings and configuration paths Multi-step form navigation Documentation Sites ■ Documentation hierarchy Search result navigation Related content linking Admin Panels ■ User management navigation System

configuration paths Report and analytics navigation Console Applications ■ Build tool navigation with dropdown options Agent and workflow creation paths Quick access to related creation tools Accessibility ■ ARIA Support ■ Proper aria-current attributes for current page Semantic navigation structure Screen reader friendly labels Keyboard Navigation ■ Tab navigation through breadcrumb items Arrow key navigation between items Enter/Space activation for navigation Focus Management ■ Clear focus indicators Logical tab order Focus restoration after navigation Screen Reader Support ■ Descriptive labels for navigation items Context information for collapsed items Clear indication of current location Responsive Behavior ■ Mobile Optimization ■ Touch-friendly tap targets Optimized spacing for mobile screens Collapsible behavior for limited space Tablet Adaptation ■ Balanced layout for medium screens Appropriate icon and text sizing Maintained navigation context Desktop Enhancement ■ Full navigation path display Hover effects and interactions Enhanced visual hierarchy Browser Support ■ Modern Browsers : Full support for all features CSS Grid/Flexbox : Required for layout ES6+ Features : Required for component functionality Angular Router : Required for navigation functionality

```

<aava-breadcrumbs [breadcrumbs]="simpleBreadcrumbs"></aava-breadcrumbs>

---

simpleBreadcrumbs: BreadcrumbItem[] = [
  { label: 'Home', url: '/home', active: false },
  { label: 'Category', url: '/category', active: false },
  { label: 'Product', url: '/product', active: true },
];

<aava-breadcrumbs [breadcrumbs]="mixedBreadcrumbs"></aava-breadcrumbs>

---

mixedBreadcrumbs: BreadcrumbItem[] = [
  { icon: 'home', label: 'Home', url: '/home', active: false },
  { icon: 'folder', label: 'Category', url: '/category', active: false },
  { icon: 'file', label: 'Product', url: '/product', active: true },
];

<aava-breadcrumbs [breadcrumbs]="sampleBreadcrumbs" size="xs">
</aava-breadcrumbs>
<aava-breadcrumbs [breadcrumbs]="sampleBreadcrumbs" size="sm">
</aava-breadcrumbs>
<aava-breadcrumbs [breadcrumbs]="sampleBreadcrumbs" size="md">
</aava-breadcrumbs>
<aava-breadcrumbs [breadcrumbs]="sampleBreadcrumbs" size="lg">
</aava-breadcrumbs>

---

sampleBreadcrumbs: BreadcrumbItem[] = [
  { icon: 'home', label: 'Home', url: '/home', active: false },
  { icon: 'folder', label: 'Products', url: '/products', active: false },
  { icon: 'tag',
    label: 'Category',
    url: '/products/category',
    active: false,
  },
  { icon: 'package',
    label: 'Item Details',
    url: '/products/category/item',
    active: true,
  },
];
  
```

```
<aava-breadcrumbs
  [breadcrumbs]="longBreadcrumbs"
  [collapsible]="true"
  [maxVisibleItems]="5"
>
</aava-breadcrumbs>

---

longBreadcrumbs: BreadcrumbItem[] = [
  { icon: 'home', label: 'Home', url: '/home', active: false },
  { icon: 'building',
    label: 'Organization',
    url: '/organization',
    active: false,
  },
  { icon: 'folder', label: 'Projects', url: '/projects', active: false },
  { icon: 'folder',
    label: 'Web Development',
    url: '/web-dev',
    active: false,
  },
  { icon: 'folder', label: 'Frontend', url: '/frontend', active: false },
  { icon: 'folder', label: 'Components', url: '/components', active: false },
  { icon: 'package',
    label: 'Breadcrumbs',
    url: '/breadcrumbs',
    active: true,
  },
];

```

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